

Lockheed Aircraft Corp.		ENGINEERING STUDY <input checked="" type="checkbox"/>	LAC - 10							
DATE 3-24-59		AFFECTS : WSPO <input checked="" type="checkbox"/>	PROJECT <input checked="" type="checkbox"/>							
NAME OF MAJOR COMPONENT Landing Gear		PART OR LOWEST SUBASSEMBLY Main Gear Cylinder		PART NO. & MODEL OR TYPE						
TITLE OF PROPOSAL : Main Gear Actuating Cylinder - Pressure Reduction										
NATURE OF PROPOSAL : A Bendix 411590-42 Pressure Reducer Valve is to be installed in the gear down line to the upper end of the main gear actuating cylinder. This reduces actuation pressure from 3000 PSI to 1250 PSI. This change applies to all airplanes.										
REASON FOR PROPOSAL : Actuating cylinders have been experiencing surge pressures of 6000 PSI; confirmed by flight test oscillograph readings. This has resulted in three split cylinders. Ref. UR's 58-876, 58-1365 and 58-1404.										
ES	ESTIMATED COST AND TIME INVOLVED : \$3700.00 charged 50% to Cust. No.1 & 50% to Cust. No.2 ADDITIONAL FUNDING REQUIRED : None (SP-1918)									
CP	ESTIMATED COST FOR KITS OR PARTS : \$150.00 per kit ADDITIONAL FUNDING REQUIRED : None (SP-1917)									
ITEMS AFFECTED BY PROPOSAL :										
SAFETY <input type="checkbox"/>	MISSION EFFECTIVENESS <input type="checkbox"/>	PERFORMANCE <input type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER-CHANGEABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>	TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input checked="" type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input checked="" type="checkbox"/>
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD										
SOURCE OF PARTS FOR KIT LAC					AVAILABILITY 8 WEEKS AFTER APPROVAL STATINTL					
DISPOSITION OF SPARES AFFECTED New procurement recommended on reducer valve: WSPO 20 ea. @ approx. \$90.00 ea.					Project 12 ea. @ approx. \$90.00 ea.					
INITIATED BY : LAC					APPROVED : WSPO PROJECT 11/16/59					